

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052019\
 Data File : VL033721.D
 Acq On : 20 May 2019 11:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 21 01:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	942024	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2397094	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2553360m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1980032	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1389734m	7.000	ppbv	
3) Chlorodifluoromethane	3.01	51	1196525	11.089	ppbv	100
4) Chloromethane	3.17	50	641569	10.395	ppbv	99
5) Vinyl Chloride	3.29	62	642334	10.217	ppbv	99
6) Bromomethane	3.51	94	391646	10.210	ppbv	99
7) Chloroethane	3.60	64	225724	10.103	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1613638	10.082	ppbv	100
9) Propene	3.03	41	515633	11.235	ppbv	99
10) Heptane	8.25	43	1203084	9.257	ppbv	100
11) Trichlorofluoromethane	4.00	101	1777700	9.382	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1168857	8.834	ppbv	100
13) Ethanol	3.65	45	132343	8.921	ppbv	98
14) Bromoethene	3.79	108	508495	10.454	ppbv	98
15) Acetone	3.90	43	1160134	8.876	ppbv	100
16) 1,3-Butadiene	3.36	39	541085	10.396	ppbv	99
17) tert-Butyl alcohol	4.35	59	1113463	10.535	ppbv	100
18) 1,1-Dichloroethene	4.35	96	540999	9.687	ppbv	100
19) Isopropyl Alcohol	4.02	45	817433	9.700	ppbv	100
20) Methylene Chloride	4.41	84	461566	9.172	ppbv	98
21) Allyl Chloride	4.47	41	774548	9.501	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	530793	9.272	ppbv	88
23) Vinyl Acetate	5.15	43	1755843	10.189	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1200766	9.166	ppbv	99
25) Ethyl Acetate	5.77	43	2035257	8.864	ppbv	99
26) Hexane	5.78	57	895085	9.068	ppbv	99
27) Carbon Disulfide	4.62	76	1303311	9.624	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1620181	10.069	ppbv	100
29) Chloroform	5.85	83	1521751	8.370	ppbv	100
30) Cyclohexane	7.24	84	828226	9.981	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	948206	9.689	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1558859	8.587	ppbv	99
34) 2-Butanone	5.33	43	1380947	9.294	ppbv	100
35) Carbon Tetrachloride	7.13	117	1732896	9.025	ppbv	100
36) Benzene	7.01	78	1977064	9.067	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1149957	8.176	ppbv	99
38) Trichloroethene	7.96	130	799478	9.881	ppbv	97
39) 1,2-Dichloropropane	7.73	63	764307	9.402	ppbv	97
40) 1,4-Dioxane	7.95	88	289445	8.511	ppbv #	98
41) Tetrahydrofuran	6.15	42	760226	9.132	ppbv	99
42) Bromodichloromethane	7.92	83	1746320	9.069	ppbv	98
43) Methyl Methacrylate	8.14	69	796348	9.924	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3250311	8.820	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1113226	10.943	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1222585	10.263	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	826431	8.948	ppbv	98
48) Dibromochloromethane	10.45	129	1508441	9.426	ppbv	100
49) Bromoform	13.20	173	1353730	10.054	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2072087	9.067	ppbv	99
51) 2-Hexanone	10.27	43	1752072	9.823	ppbv	100
52) Tetrachloroethene	11.37	164	761883	9.940	ppbv	98
53) Toluene	9.95	91	2332469	9.917	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1340109	9.508	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1020966	8.641	ppbv	99
57) Chlorobenzene	12.30	112	1794070	8.536	ppbv	97
58) Ethyl Benzene	12.87	91	3248279	9.607	ppbv	99
59) m/p-Xylene	13.15	91	5325508m	18.017	ppbv	
60) o-Xylene	13.85	91	2675763	8.980	ppbv	99
61) Styrene	13.69	104	2062859	10.283	ppbv	99
62) Isopropylbenzene	14.82	105	3666174	9.137	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1826374	8.429	ppbv	100
64) n-propylbenzene	15.72	120	1057470	10.188	ppbv	100
65) tert-Butylbenzene	16.91	119	3690097	10.072	ppbv	100
66) Benzyl Chloride	17.15	91	2189758	12.549	ppbv	100
67) sec-Butylbenzene	17.46	105	5189840	10.121	ppbv	100
69) p-Isopropyltoluene	17.81	119	4342807	10.247	ppbv	100
70) n-Butylbenzene	18.71	91	4517179	9.939	ppbv	100
71) 2-Chlorotoluene	15.62	91	2788973	9.368	ppbv	100
72) 4-Ethyltoluene	16.00	105	3553294	10.430	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3350999	10.081	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3518304	9.726	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	2071726	9.346	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2067467	9.813	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1989983	9.554	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1511742	9.599	ppbv	99
79) Naphthalene	22.41	128	3164599	9.418	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1274271	9.981	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1731585	8.801	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

